

Figure 1

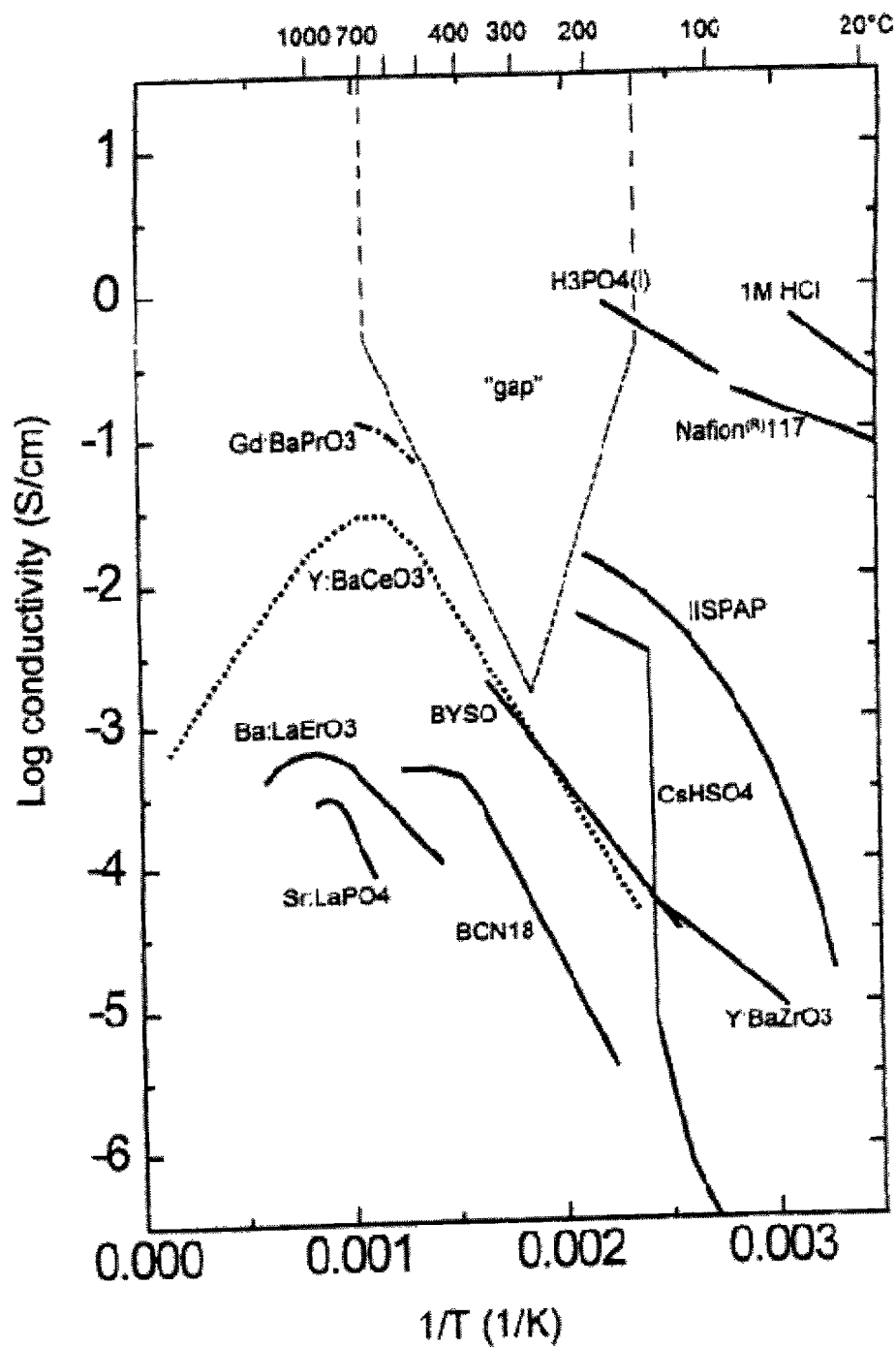
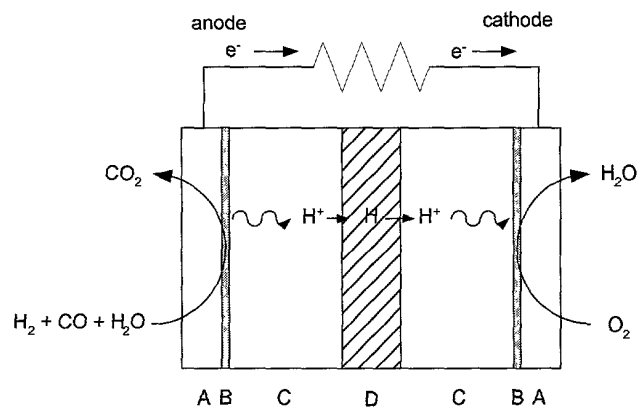


Figure 2



- A: Porous Gas Diffusion Electrode
- B: Electrocatalyst Layer
- C: Proton Permeable Electronic Insulator Layer
- D: Palladium Membrane

Figure 3

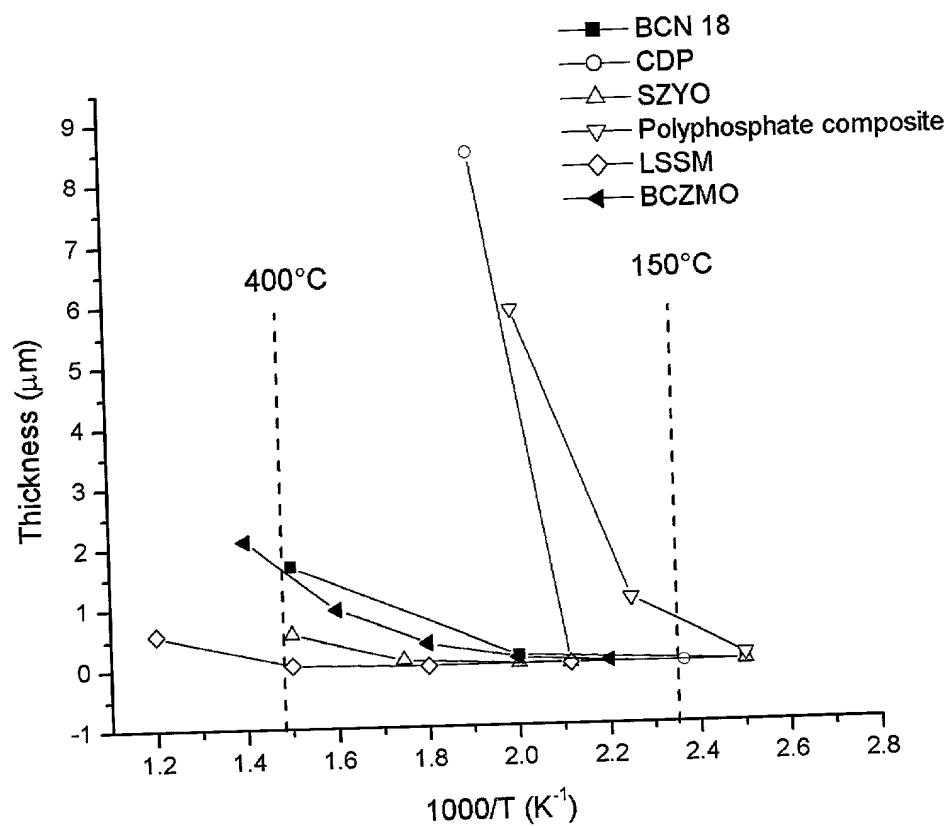


Figure 4

Membrane Electrolyte Assembly

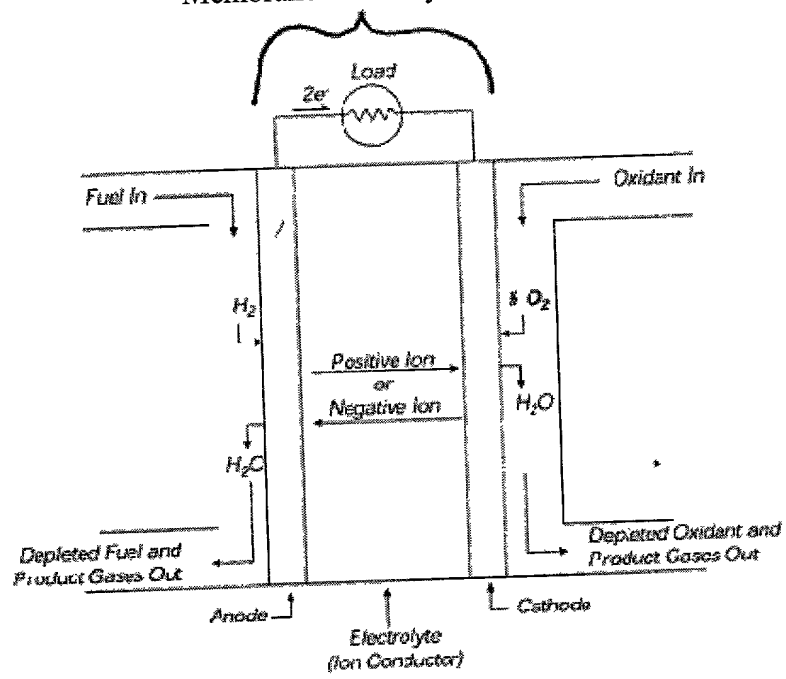
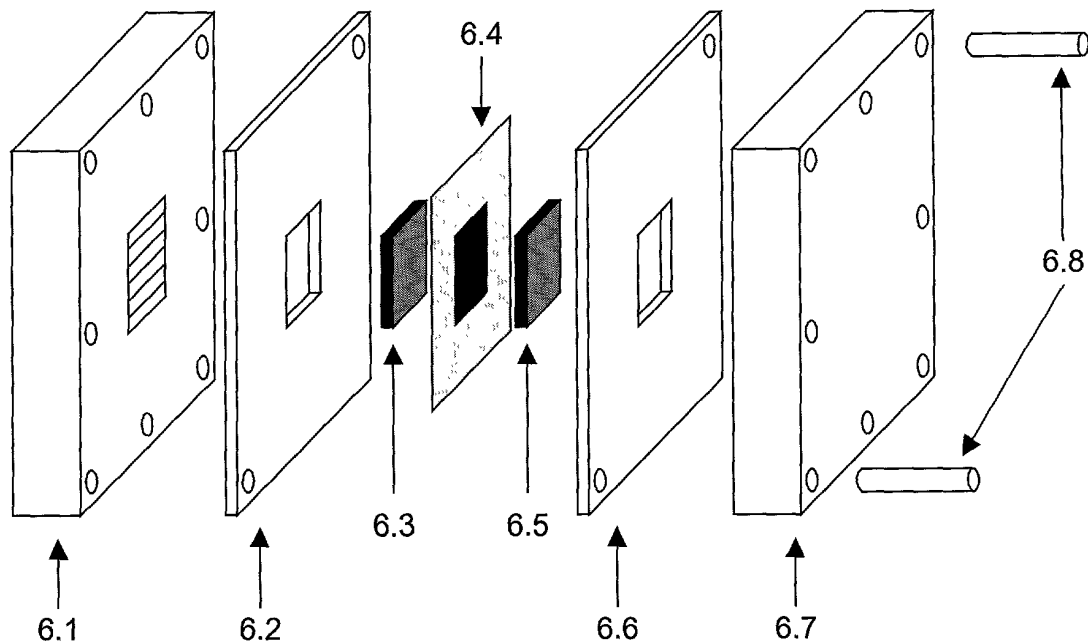


Figure 5



- 6.1 Graphite block with anode flow field
 6.2 PTFE gasket
 6.3 Anode: catalyzed gas diffusion layer (carbon cloth)
 6.4 Proton Conducting Composite Membrane comprising an electronically insulating proton conductor (hatched section) supported on a metal hydride, i.e., Pd foil (dotted section)
 6.5 Cathode: catalyzed gas diffusion layer (carbon cloth)
 6.6 PTFE gasket
 6.7 Graphite block with cathode flow field
 6.8 Alignment pins

Figure 6

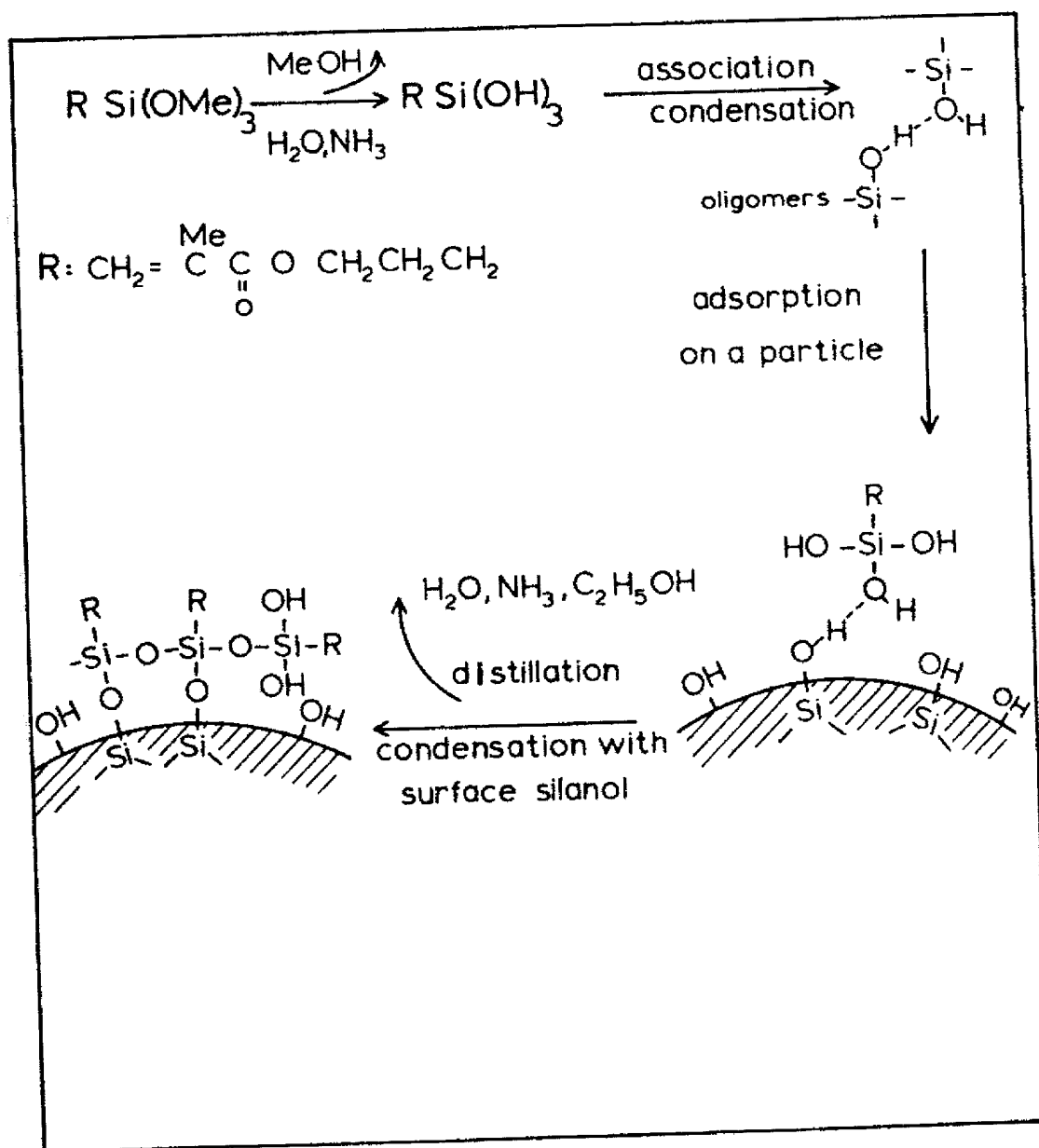


Figure 7

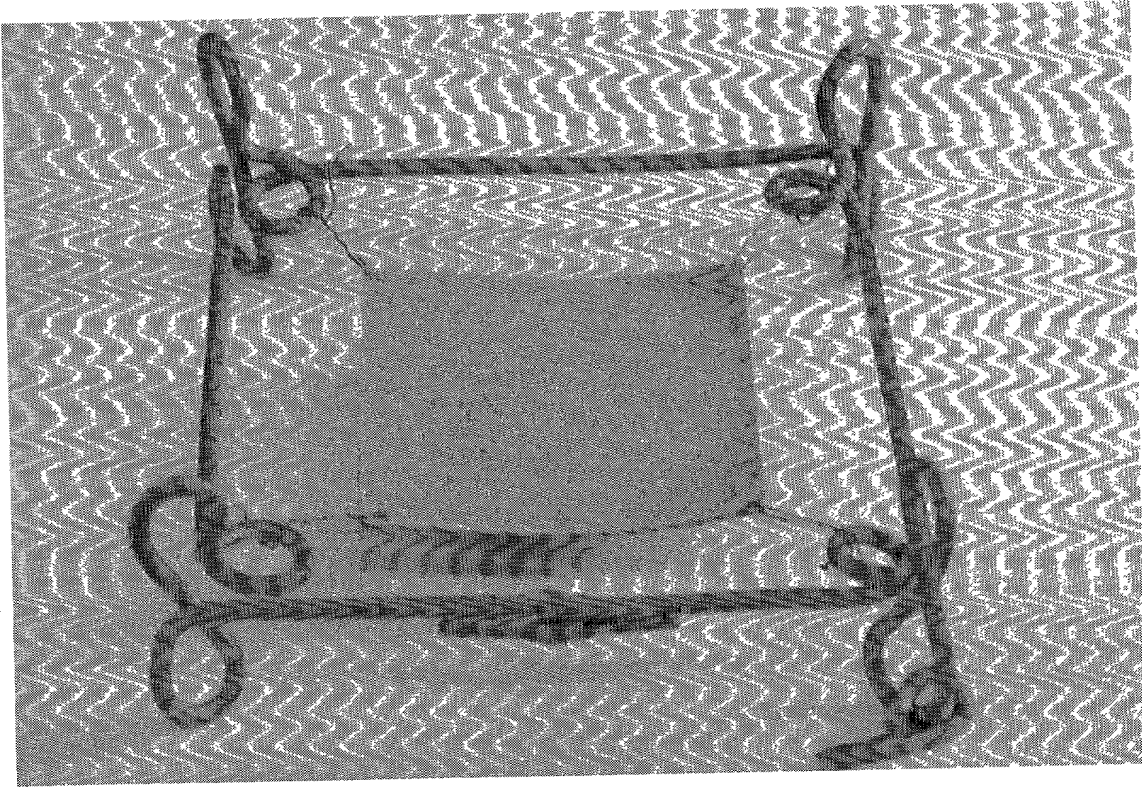


Figure 8

Intermediate temp fuel cell, H₂/O₂

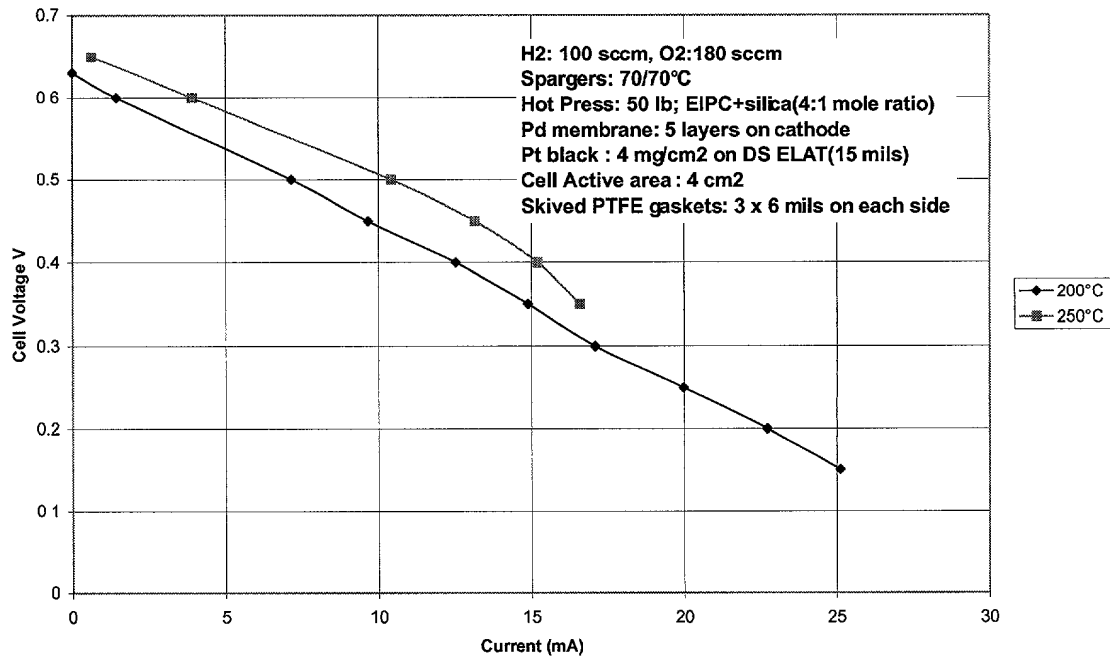


Figure 9

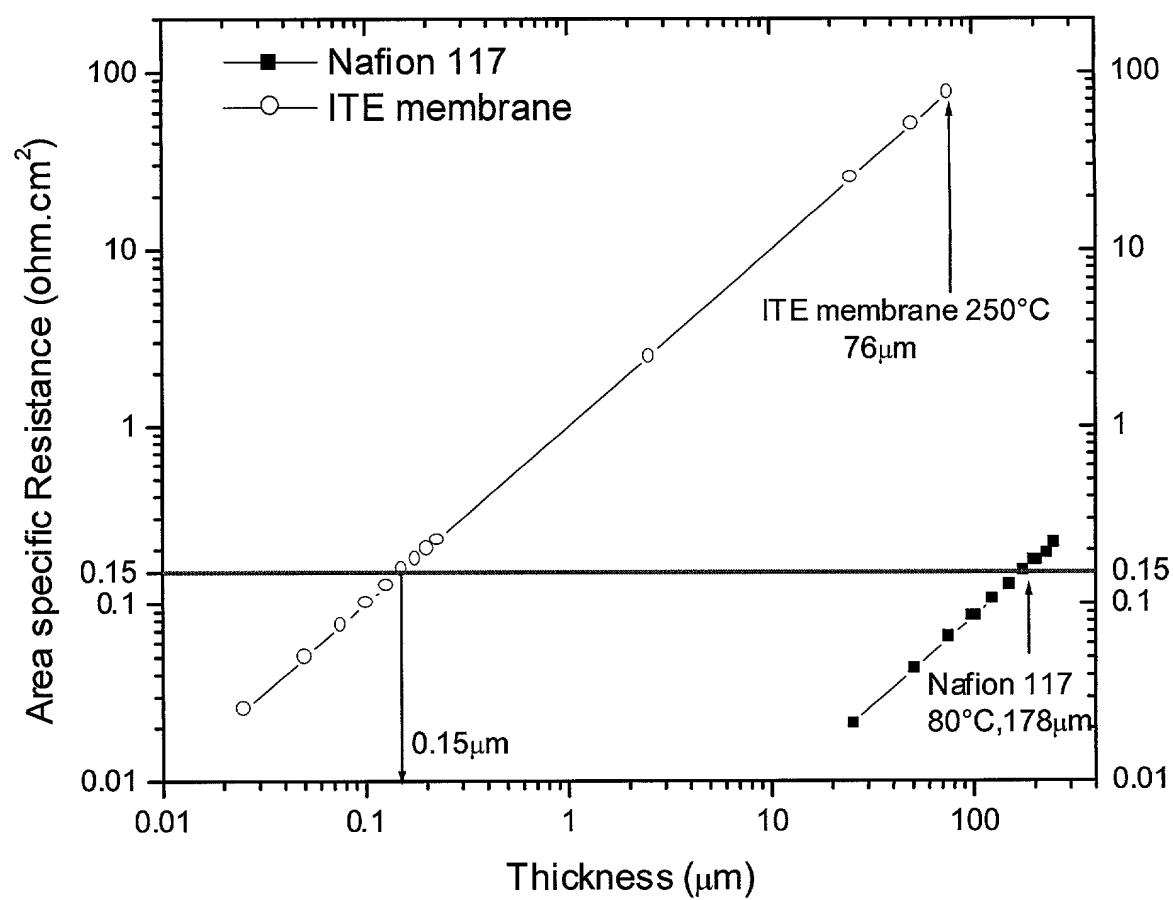


Figure 10

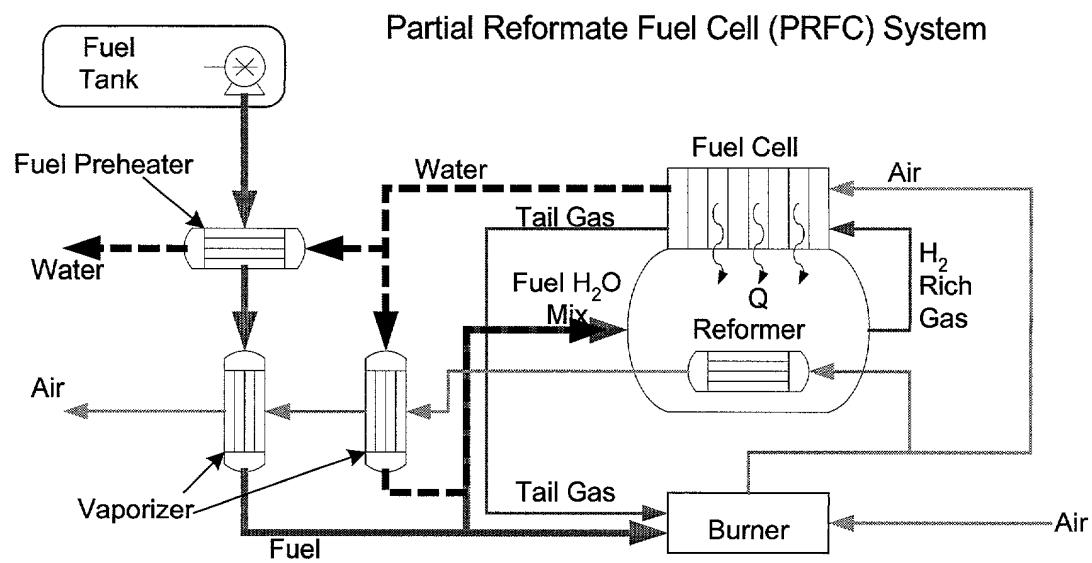


Figure 11

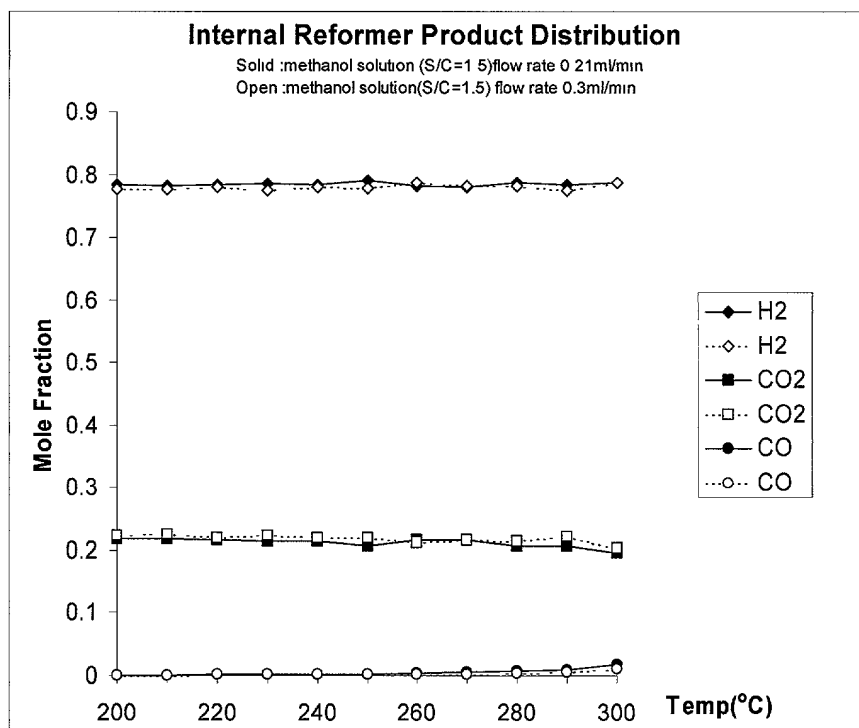


Figure 12